

FORM PTO-1449 (REV.7-80)	U.S. DEPARTMENT OF COMMERCE PATENT AND TRADEMARK OFFICE	ATTY. DOCKET NO. 210121.427C26	APPLICATION NO. 09/895,814
THIRD SUPPLEMENTAL INFORMATION DISCLOSURE STATEMENT (Use several sheets if necessary)		APPLICANTS Jiangchun Xu et al.	
		FILING DATE June 29, 2001	GROUP ART UNIT 1642



U.S. PATENT DOCUMENTS

EXAMINER INITIALS	DOCUMENT NUMBER	DATE	NAME	CLASS	SUBCLASS	FILING DATE IF APPROPRIATE
AA	6,329,505	12/11/01	Xu et al.	530	350	
AB						

FOREIGN PATENT DOCUMENTS

Suz	DOCUMENT NUMBER	DATE	COUNTRY	TRANSLATION	
				YES	NO
	AC WO 99/67384	12/29/99	WIPO		
	AD WO 00/53772	09/14/00	WIPO		
	AE WO 00/53776	09/14/00	WIPO		
	AF WO 00/71711	11/30/00	WIPO		
	AG WO 00/73801	12/07/00	WIPO		
	AH WO 01/16289	03/08/01	WIPO		
	AI WO 01/23587	04/05/01	WIPO		
	AJ WO 01/25446	04/12/01	WIPO		
	AK WO 01/57272	08/09/01	WIPO		
✓	AL WO 02/077243	10/03/02	WIPO		

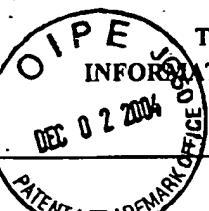
OTHER PRIOR ART (Including Author, Title, Date, Pertinent Pages, Etc.)

Suz	AP	Nelson, P.S. et al., "Molecular cloning and characterization of prostase, an androgen-regulated serine protease with prostate-restricted expression," <i>Proc. Natl. Acad. Sci. USA</i> 96: 3114-3119, March 1999.
	AQ	Stephenson, S-A., "Localization of a New Prostate-specific Antigen-related Serine Protease Gene, <i>KLK4</i> , Is Evidence for a Expanded Human Kallikrein Gene Family Cluster on Chromosome 19q13.3-13.4," <i>The Journal of Biological Chemistry</i> 274(33): 23210-23214, August 13, 1999.
✓	AR	Yousef, G. M. et al., "Protease/ <i>KLK-L1</i> Is a New Member of the Human Kallikrein Gene Family, Is Expressed in Prostate and Breast Tissues, and Is Hormonally Regulated," <i>Cancer Research</i> 59: 4252-4256, September 1, 1999.

EXAMINER	DATE CONSIDERED
Initial if reference considered, whether or not criteria is in conformance with MPEP 609. Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant(s).	

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2/11/05

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(Use several sheets if necessary)

APPLICANTS

Jiangchun Xu et al.

FILING DATE

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U.S. PATENT DOCUMENTS

*EXAMINER INITIAL	DOCUMENT NUMBER	DATE	NAME	CLASS	SUBCLASS	FILING DATE IF APPROPRIATE
BA						

FOREIGN PATENT DOCUMENTS

		DOCUMENT NUMBER	DATE	COUNTRY	TRANSLATION YES NO
	BB				

OTHER PRIOR ART (Including Author, Title, Date, Pertinent Pages, Etc.)

<i>SN</i>	BC	GenBank Database, Accession No. AAD26424, October 27, 1999. Available at http://www.ncbi.nlm.nih.gov .
	BD	GenBank Database, Accession No. AAD38019, October 15, 1999. Available at http://www.ncbi.nlm.nih.gov .
	BE	GenBank Database, Accession No. AAF70620, July 10, 2000. Available at http://www.ncbi.nlm.nih.gov .
	BF	GenBank Database, Accession No. AAF81227, July 2, 2000. Available at http://www.ncbi.nlm.nih.gov .
	BG	GenBank Database, Accession No. AAG43246, January 2, 2001. Available at http://www.ncbi.nlm.nih.gov .
	BH	GenBank Database, Accession No. AAK71700, August 2, 2001. Available at http://www.ncbi.nlm.nih.gov .
	BI	GenBank Database, Accession No. AAK71701, August 2, 2001. Available at http://www.ncbi.nlm.nih.gov .
	BJ	GenBank Database, Accession No. AAK71702, August 2, 2001. Available at http://www.ncbi.nlm.nih.gov .
	BK	GenBank Database, Accession No. AAK71703, August 2, 2001. Available at http://www.ncbi.nlm.nih.gov .
	BL	GenBank Database, Accession No. AAK71704, August 2, 2001. Available at http://www.ncbi.nlm.nih.gov .
	BM	GenBank Database, Accession No. AAK71705, August 2, 2001. Available at http://www.ncbi.nlm.nih.gov .
	BN	GenBank Database, Accession No. AAK71706, August 2, 2001. Available at http://www.ncbi.nlm.nih.gov .

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EXAMINER INITIAL	DOCUMENT NUMBER	DATE	NAME	CLASS	SUBCLASS
	CA				
FOREIGN PATENT DOCUMENTS					
	DOCUMENT NUMBER	DATE	COUNTRY		TRANSLATION YES NO
	CB				
OTHER PRIOR ART (Including Author, Title, Date, Pertinent Pages, Etc.)					
CC	GenBank Database, Accession No. AF113140, March 25, 1999. Available at http://www.ncbi.nlm.nih.gov .				
CD	GenBank Database, Accession No. AF126401, January 2, 2001. Available at http://www.ncbi.nlm.nih.gov .				
CE	GenBank Database, Accession No. AF135023, October 27, 1999. Available at http://www.ncbi.nlm.nih.gov .				
CF	GenBank Database, Accession No. AF228497, July 10, 2000. Available at http://www.ncbi.nlm.nih.gov .				
CG	GenBank Database, Accession No. AF243527, November 21, 2000. Available at http://www.ncbi.nlm.nih.gov .				
CH	GenBank Database, Accession No. AF259969, July 2, 2000. Available at http://www.ncbi.nlm.nih.gov .				
CI	GenBank Database, Accession No. NM_004917, October 27, 1999. Available at http://www.ncbi.nlm.nih.gov .				
CJ	GenBank Database, Accession No. NP_004908, October 27, 1999. Available at http://www.ncbi.nlm.nih.gov .				
CK	GenBank Database, Accession No. XP_008997, May 2, 2001. Available at http://www.ncbi.nlm.nih.gov .				
CL	GenBank Database, Accession No. XP_031752, October 16, 2001. Available at http://www.ncbi.nlm.nih.gov .				
CM					
CN					
EXAMINER <i>1. C.</i>	DATE CONSIDERED <i>2/1/05</i>				
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U.S. PATENT DOCUMENTS

EXAMINER INITIAL	DOCUMENT NUMBER	DATE	NAME	CLASS	SUBCLASS	FILING DATE IF APPROPRIATE
	DA 5,786,148	07/28/98	Bandman et al.	435	6	

FOREIGN PATENT DOCUMENTS

		DOCUMENT NUMBER	DATE	COUNTRY	TRANSLATION
					YES NO
	DB	DE 19649207	11/27/96	Germany	X
	DC	EP 317 141 A2	05/24/89	EPO	
	DD	EP 652 014 A1	5/10/95	EPO	
<i>Gen</i>	DE	EP 679 716 A1	11/02/95	EPO	
	DF	EP 936 270 A2	08/18/99	EPO	X
	DG	WO 93/14755	08/05/93	PCT	
	DH	WO 93/25224	12/23/93	PCT	
	DI	WO 94/09820	05/11/94	PCT	
	DJ	WO 95/04548	02/16/95	PCT	
	DK	WO 95/14772	06/01/95	PCT (Cover page with English abstract only)	X
	DL	WO 95/30758	11/16/95	PCT	

OTHER PRIOR ART (Including Author, Title, Date, Pertinent Pages, Etc.)

DM	Ahn and Kunkel, "The structural and functional diversity of dystrophin," <i>Nature Genetics</i> 3: 283-291, April, 1993.
DN	Alexeyev et al., "Improved antibiotic-resistance gene cassettes and omega elements for <i>Escherichia coli</i> vector construction and in vitro deletion/insertion mutagenesis," <i>Gene</i> 160:63-67, 1995.
DO	Berthon et al., "Predisposing gene for early-onset prostate cancer, localized on chromosome 1q42.2-43," <i>Am. J. Hum. Genet.</i> 62(6):1416-1424, June 1998.
DP	Blok et al., "Isolation of cDNA that are differentially expressed between androgen-dependent and androgen-independent prostate carcinoma cells using differential display PCR," <i>The Prostate</i> 26:213-224, 1995.
DQ	Busselmakers et al., Genbank Accession No. AF103907, August 14, 2000.

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U.S. PATENT DOCUMENTS

INITIAL	DOCUMENT NUMBER	DATE	NAME	CLASS	SUBCLASS	FILING DATE IF APPROPRIATE
EA						

FOREIGN PATENT DOCUMENTS

	DOCUMENT NUMBER	DATE	COUNTRY	TRANSLATION	
				YES	NO
EB	WO 96/21671	07/18/96	PCT		
EC	WO 97/33909	09/18/97	PCT		
ED	WO 98/2302	03/26/98	PCT		
EE	WO 98/17687	04/30/98	PCT		
EF	WO 98/20117	05/14/98	PCT		
GU	WO 98/31799	07/23/98	PCT		
EH	WO 98/37093	08/27/98	PCT		
EI	WO 98/37418	08/27/98	PCT		
EJ	WO 98/38310	09/03/98	PCT		
EK	WO 98/39446	09/11/98	PCT		

OTHER PRIOR ART (Including Author, Title, Date, Pertinent Pages, Etc.)

EL		Busselmakers et al., Genbank Accession No. AF103908, August 14, 2000.
EM		Cawthon et al., "cDNA sequence and genomic structure of EVI2B, a gene lying within an intron of the neurofibromatosis type 1 gene," <i>Genomics</i> 9:446-460, 1991.
EN		Chu et al., "CpG oligodeoxynucleotides act as adjuvants that switch on T helper 1 (Th1) immunity," <i>J. Exp. Med.</i> 186(10): 1623-1631, November 17, 1997.
EO		Coleman et al., <i>Fundamental Immunology</i> , Wm. C. Brown Publishers, Dubuque, Iowa, 1989, pp. 465-466.
EP		Database EMBL Accesion No. AA453562, June 11, 1997, Hillier et al., "Homo sapiens cDNA clone 788180."

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FA						
FOREIGN PATENT DOCUMENTS						
	DOCUMENT NUMBER	DATE	COUNTRY			TRANSLATION YES NO
SM	FB WO 98/45435	10/15/98	PCT			
	FC WO 98/50567	11/12/98	PCT			
	FD WO 99/06548	02/11/99	PCT			
	FE WO 99/06552	02/11/99	PCT			
	FF WO 99/06550	02/11/99	PCT			
	FG WO 99/25825	05/27/99	PCT			
	FH WO 99/31236	06/24/99	PCT			
	FI					
OTHER PRIOR ART <small>(Including Author, Title, Date, Pertinent Pages, Etc.)</small>						
FJ	Derwent Geneseq Database, Accession No. V58522, December 8, 1998.					
FK	Derwent Geneseq Database, Accession No. V61287, January 6, 1999.					
FL	Duerst and Nees, "Nucleic acid characteristic of late or early passage cells immortalized by papilloma virus-and related polypeptide(s) and antibodies, used for diagnosis and treatment of cervical cancer and assessing potential for progression of cervical lesions," Derwent World Patent Index, Accession No. 1998-121623, 1998. See also German Patent DE 19649207 C1.					
FM	El-Shirbiny, "Prostatic Specific Antigen," <i>Advances In Clinical Chemistry</i> 31:99-133, 1994.					
FN	Ezzell, C., "Cancer vaccines: an idea whose time has come?" <i>The Journal of NIH Research</i> 7:46-49, January, 1995.					
FO	GenBank Accession Number AF047020, February 1, 1999.					
EXAMINER <i>[Signature]</i>			DATE CONSIDERED <i>2/11/05</i>			
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U.S. PATENT DOCUMENTS

EXAMINER INITIAL		DOCUMENT NUMBER	DATE	NAME	CLASS	SUBCLASS	FILING DATE IF APPROPRIATE
GA							

FOREIGN PATENT DOCUMENTS

		DOCUMENT NUMBER	DATE	COUNTRY	TRANSLATION
					YES NO
GB					

OTHER PRIOR ART (Including Author, Title, Date, Pertinent Pages, Etc.)

GC	Hara et al., "Characterization of cell phenotype by a novel cDNA library subtraction system: expression of CD8 α in a mast cell-derived interleukin-4-dependent cell line," <i>Blood</i> 84(1):189-199, July 1, 1994.
GD	Harris et al., "Polycystic Kidney Disease 1: identification and analysis of the primary defect," <i>J. Am. Soc. of Nephrol.</i> 6:1125-1133, 1995.
GE	Hillier et al., Genbank Accession No. AA100799, December 23, 1997.
GF	Hillier et al., Genbank Accession No. R20590, April 18, 1995.
GG	Hudson, T., Genbank Accession No. G22461, May 31, 1996.
GH	Kroger, B. "New serine protease from human prostate, useful for identifying specific inhibitors, antibodies and probes," Derwent World Patent Index, Accession No. 99-432218, 1999. See also European Patent EP 936 270 A2.
GI	Lalvani et al., "Rapid effector function in CD8 $+$ memory cells," <i>J. Exp. Med.</i> 186(6):859-865, September 15, 1997.
GJ	National Cancer Institute, Cancer Genome Anatomy Project (NCI-CGAP), Genbank Accession No. AA551449, September 5, 1997.
GK	National Cancer Institute, Cancer Genome Anatomy Project (NCI-CGAP), Genbank Accession No. AA551759, August 11, 1997.
GL	National Cancer Institute, Cancer Genome Anatomy Project (NCI-CGAP), Genbank Accession No. AA631143, October 31, 1997.

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HA							
FOREIGN PATENT DOCUMENTS							
	DOCUMENT NUMBER	DATE	COUNTRY			TRANSLATION YES NO	
HB							
OTHER PRIOR ART <small>(Including Author, Title, Date, Pertinent Pages, Etc.)</small>							
HC	National Cancer Institute Cancer Genome Anatomy Project (NCI-CGAP), Genbank Accession No. AA653016, November 25, 1997.						
HD	Robson et al., "Identification of prostatic adrogen regulated genes using the differential display technique," <i>Proceeding of the American Association for Cancer Research Meeting</i> 86, 36: p.266, Abstract No. 1589, 1995.						
HE	Schena et al., "Parallel human genome analysis: Microarray-based expression monitoring of 1000 genes," <i>Proc. Natl. Acad. Sci. USA</i> 93(19):10614-10619, September 17, 1996.						
HF	Schmidt-Wolf et al., "Activated T cells and cytokine-induced CD3 ⁺ CD56 ⁺ killer cells," <i>Annals of Hematology</i> 74:51-56, 1997.						
HG	Sherman et al., "Selecting T cell receptors with high affinity for self-MHC by decreasing the contribution of CD8," <i>Science</i> 258(5083):815-818, October 30, 1992.						
HH	Short et al., "λ ZAP: a bacteriophage λ expression vector with <i>in vivo</i> excision properties," <i>Nucleic Acids Research</i> 16(15):7583-7600, 1988.						
HI	Sjögren, H., "Therapeutic Immunization Against Cancer Antigens Using Genetically Engineered Cells," <i>Immunotechnology</i> 3: 161-172, 1997.						
HJ	Smith et al., "Major susceptibility locus for prostate cancer on chromosome 1 suggested by a genome-wide search," <i>Science</i> 274(5291), 1371-1374, November 22, 1996.						
HK	Theobald, et al., "Targeting p53 as a general tumor antigen," <i>Proc. Natl. Sci. USA</i> 92(25):11993-11997, December 5, 1995.						
HL	Tsai et al., "In vitro immunization and expansion of antigen-specific cytotoxic T lymphocytes for adoptive immunotherapy using peptide-pulsed dendritic cells," <i>Critical Reviews in Immunology</i> 18:65-75, 1998.						
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IA							
FOREIGN PATENT DOCUMENTS							
	DOCUMENT NUMBER	DATE	COUNTRY			TRANSLATION YES NO	
IB							
OTHER PRIOR ART <i>(Including Author, Title, Date, Pertinent Page's, Etc.)</i>							
IC	Tusnady and Simon, "Principles governing amino acid compositions of integral membrane proteins: application to topology prediction," <i>J. Mol. Biol.</i> 283(2):489-506, October 23, 1998.						
ID	Vasmatzis et al., "Discovery of three genes specifically expressed in human prostate by expressed sequence tag database analysis," <i>Proc. Natl. Acad. Sci. USA</i> 95(1):300-304, January 6, 1998.						
IE	Yee et al., "Isolation of tyrosinase-specific CD8 ⁺ and CD4 ⁺ T cell clones from the peripheral blood of melanoma patients following in vitro stimulation with recombinant vaccinia virus," <i>The Journal of Immunology</i> 157(9):4079-4086, November 1, 1996.						
IF	Zitvogel et al., "Eradication of Established Murine Tumors Using a Novel Cell-Free Vaccine: Dendritic Cell-Derived Exosomes," <i>Nature Medicine</i> 4(5): 594-600, May, 1998.						
IG							
IH							
II							
IJ							
IK							
IL							
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FOREIGN PATENT DOCUMENTS

		DOCUMENT NUMBER	DATE	COUNTRY	TRANSLATION
					YES NO
<i>See</i>	AB	DE 19649207	11/27/96	Germany	
	AC	EP 317 141 A2	05/24/89	EPO	
	AD	EP 652 014 A1	5/10/95	EPO	
	AE	EP 936 270 A2	08/18/99	EPO	X
	AF	WO 93/14755	08/05/93	PCT	
	AG	WO 93/25224	12/23/93	PCT	
	AH	WO 94/09820	05/11/94	PCT	

OTHER PRIOR ART (Including Author, Title, Date, Pertinent Pages, Etc.)

<i>See</i>	AJ	Ahn and Kunkel, "The structural and functional diversity of dystrophin," <i>Nature Genetics</i> 3: 283-291, April, 1993.
	AJ	Alexeyev et al., "Improved antibiotic-resistance gene cassettes and omega elements for <i>Escherichia coli</i> vector construction and in vitro deletion/insertion mutagenesis," <i>Gene</i> 160:63-67, 1995.
	AK	Berthon et al., "Predisposing gene for early-onset prostate cancer, localized on chromosome 1q42.2-43," <i>Am. J. Hum. Genet.</i> 62(6):1416-1424, June 1998.
	AL	Blok et al., "Isolation of cDNA that are differentially expressed between androgen-dependent and androgen-independent prostate carcinoma cells using differential display PCR," <i>The Prostate</i> 26:213-224, 1995.
	AM	Busselmakers et al., Genbank Accession No. AF103907, August 14, 2000.
	AN	Busselmakers et al., Genbank Accession No. AF103908, August 14, 2000.
<i>V</i>	AO	Cawthon et al., "cDNA sequence and genomic structure of EVI2B, a gene lying within an intron of the neurofibromatosis type 1 gene," <i>Genomics</i> 9:446-460, 1991.

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<i>Susan</i>	<i>2/16/05</i>
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					YES	NO
<i>Gu</i>	BA	WO 95/04548	02/16/95	PCT		
	BB	WO 95/14772	06/01/95	PCT (Cover page with English abstract only)		X
	BC	WO 95/30758	11/16/95	PCT		
	BD	WO 96/21671	07/18/96	PCT		
	BE	WO 97/33909	09/18/97	PCT		
	BF	WO 98/12302	03/26/98	PCT		
	BG	WO 98/17687	04/30/98	PCT		
↓	BH	WO 98/20117	05/14/98	PCT		

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<i>Gu</i>	BI	Chu et al., "CpG oligodeoxynucleotides act as adjuvants that switch on T helper 1 (Th1) immunity," <i>J. Exp. Med.</i> 186(10): 1623-1631, November 17, 1997.
	BJ	Coleman et al., <i>Fundamental Immunology</i> , Wm. C. Brown Publishers, Dubuque, Iowa, 1989, pp. 465-466.
	BK	Database EMBL Accesion No. AA453562, June 11, 1997, Hillier et al., "Homo sapiens cDNA clone 788180."
	BL	Derwent Geneseq Database, Accession No. V58522, December 8, 1998.
	BM	Derwent Geneseq Database, Accession No. V61287, January 6, 1999.
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FORM PTO-1449 (REV.7-80)	DEC 31 2001	U.S. DEPARTMENT OF COMMERCE PATENT AND TRADEMARK OFFICE	ATTY. DOCKET NO. 210121.427C26	APPLICATION NO.. 09/895,814
INFORMATION DISCLOSURE STATEMENT (Use several sheets if necessary)		APPLICANTS	Jiangchun Xu et al.	
		FILING DATE	GROUP ART UNIT	
		June 29, 2001		

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*EXAMINER INITIAL	DOCUMENT NUMBER	DATE	NAME	CLASS	SUBCLASS	FILING DATE IF APPROPRIATE
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FOREIGN PATENT DOCUMENTS

	DOCUMENT NUMBER	DATE	COUNTRY	TRANSLATION	
				YES	NO
SA	CA WO 98/31799	07/23/98	PCT		
	CB WO 98/37093	08/27/98	PCT		
	CC WO 98/37418	08/27/98	PCT		
	CD WO 98/38310	09/03/98	PCT		
	CE WO 98/39446	09/11/98	PCT		
	CF WO 98/45435	10/15/98	PCT		
	CG WO 98/50567	11/12/98	PCT		
	CH WO 99/06548	02/11/99	PCT		
CI	Ezzell, C., "Cancer vaccines: an idea whose time has come?" <i>The Journal of NIH Research</i> 7:46-49, January, 1995.				
CJ	Hara et al., "Characterization of cell phenotype by a novel cDNA library subtraction system: expression of CD8 α in a mast cell-derived interleukin-4-dependent cell line," <i>Blood</i> 84(1):189-199, July 1, 1994.				
CK	Harris et al., "Polycystic Kidney Disease 1: identification and analysis of the primary defect," <i>J. Am. Soc. of Nephrol.</i> 6:1125-1133, 1995.				
CL	Hillier et al., Genbank Accession No. AA100799, December 23, 1997.				
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<i>Gu</i>	DA	WO 99/06552	02/11/99	PCT		
	DB	WO 99/06550	02/11/99	PCT		
	DC	WO 99/25825	05/27/99	PCT		
<i>U</i>	DD	WO 99/31236	06/24/99	PCT		

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	DG	National Cancer Institute, Cancer Genome Anatomy Project (NCI-CGAP), Genbank Accession No. AA551759, August 11, 1997.
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<i>U</i>	DL	Schena et al., "Parallel human genome analysis: Microarray-based expression monitoring of 1000 genes," <i>Proc. Natl. Acad. Sci. USA</i> 93(19):10614-10619, September 17, 1996.
<i>U</i>	DM	Sherman et al., "Selecting T cell receptors with high affinity for self-MHC by decreasing the contribution of CD8," <i>Science</i> 258(5083):815-818, October 30, 1992.

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<i>J</i>	<i>2/16/05</i>

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	EB						

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SC	EF	Short et al., "λ ZAP: a bacteriophage λ expression vector with <i>in vivo</i> excision properties," <i>Nucleic Acids Research</i> 16(15):7583-7600, 1988.
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	EI	Theobald, et al., "Targeting p53 as a general tumor antigen," <i>Proc. Natl. Sci. USA</i> 92(25):11993-11997, December 5, 1995.
	EJ	Tusnady and Simon, "Principles governing amino acid compositions of integral membrane proteins: application to topology prediction," <i>J. Mol. Biol.</i> 283(2):489-506, October 23, 1998.
	EK	Van Tsai et al., "In vitro immunization and expansion of antigen-specific cytotoxic T lymphocytes for adoptive immunotherapy using peptide-pulsed dendritic cells," <i>Critical Reviews in Immunology</i> 18:65-75, 1998.
	EL	Vasmatzis et al., "Discovery of three genes specifically expressed in human prostate by expressed sequence tag database analysis," <i>Proc. Natl. Acad. Sci. USA</i> 95(1):300-304, January 6, 1998.
	EM	Yee et al., "Isolation of tyrosinase-specific CD8 ⁺ and CD4 ⁺ T cell clones from the peripheral blood of melanoma patients following in vitro stimulation with recombinant vaccinia virus," <i>The Journal of Immunology</i> 157(9):4079-4086, November 1, 1996.
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FOREIGN PATENT DOCUMENTS

		DOCUMENT NUMBER	DATE	COUNTRY	TRANSLATION	
					YES	NO
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SG	FF	GenBank Accession Number AF047020, February 1, 1999.
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	FM	

EXAMINER	DATE CONSIDERED
<i>Murcan</i>	<i>5/04/04</i>

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